

10/561079

ABSTRACT

IAP20 Rec'd PCT/PTO 16 DEC 2005

The invention relates to an optical sensor comprising at least one detection module which comprises an organic light emitting diode (1) and an organic detection photodiode (2, 2a) for measuring emitted light which during the use of the sensor reaches the photodiode via the sample holder. Optionally, a sensor according to the invention further comprises a plastic waveguide.